

Electrical Safety
Comp'Ex 05-06
Dust



Mode of Attendance: Day (Public/Tailored) | **Duration:** 3 Days

This nationally recognised course provides competence based training and assessment for electrical instrumentation technicians working in hazardous areas in offshore and onshore industrial environments. It will raise awareness of operative competence in the installation and maintenance of electrical equipment and apparatus. The college training facilities are unique and custom built to include a realistic working plant and a simulated hazardous area where dusts and flyings are the form of hazardous material. Ex' training provides Electrical Installation Engineering Industry Training Organisation (EIEITO) nationally approved competence based training. The Health and Safety Executive has also supported the development of this programme.

Course Outline:

Combustible Dusts – General

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| > British, European and International Standards Relating to Combustible Dusts | > Suitability of Different Types of Ex Apparatus for use in Areas where Combustible Dusts are Present |
| > Combustible Dusts, Definitions, Types and Sub Divisions | > Dust Ignition Considerations and Protective Measures Against Combustible Dusts |
| > Dust Grouping, Area and Temperature Classification Relative to Potentially Hazardous Area and Apparatus | > Safety Factors Used to Determine Maximum Permissible Surface Temperature |

Combustible Dusts – Area Classification

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| > Definition of Zones 20, 21, 22 Markings and Locations | > Principle Points to be observed during Installation, Inspection and Maintenance Procedures. |
| > Exemptions | > Grades of Release, Ventilation, Extent of Zone |
| > Installations in Combustible Dust Locations | > Flameproof Equipment |

Practical Assessment

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| > EX 05 Preparation and Installation of Electrical Apparatus Protected by Enclosure of use in the Presence of Combustible Dusts | > EX 06 Maintenance and Installation of Electrical Apparatus Protected by Enclosure of use in the Presence of Combustible Dusts |
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Note: In order to achieve the Comp'Ex 05 - 06 award, candidates are required to gain the required level of competency in both the written and practical element for each of the two units.

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Target Audience: Electrical and Instrumentation Technicians working in hazardous areas in offshore and onshore industrial environments.

Entrance Criteria: Due to the intense nature of this course it is expected that each candidate will already possess a sound understanding of electrical work, at least in industrial electric systems, and also do some pre-study on hazardous area electrics before attending.

All candidates must bring proof of their electrical qualifications on the first day of the course. Failure to bring original copies will result in the candidate receiving a non-electrical craftsperson certificate.

FURTHER STUDY OPPORTUNITIES

On completion candidates may also be interested in the following courses: Comp'Ex 01-04 Gas Atmospheres; Comp'Ex 07-08 Petrol; and Comp'Ex 07-08 Petrol Refresher.

BENEFITS TO THE ORGANISATION

Course attendance will help to ensure that levels of safety within the industry are maintained and potentially increased as both organisations and individuals have confidence that the installation and maintenance of electrical equipment is being carried out in a safe, responsible and competent manner.

BENEFITS TO THE INDIVIDUAL

This qualification will ensure that individuals are competent in carrying out installation and maintenance of electrical equipment in a safe and responsible manner within a combustible dust environment.

PRICE

You can get the cost for this course on enquiry.

MORE INFORMATION

ILA

This course is eligible for an ILA Account. You must provide your ILA account number prior to booking any course.

Booking

To book places on any of our electrical safety courses, please complete the enclosed booking form and return to Forth Valley College Business Training Centre at the address below along with full payment for the courses booked.